

ABSTRACT OF THE DISCLOSURE

A recording data string is composed of a plurality of synchronous frames each of which has synchronous data and coding data. Data items in the coding data contributed to creation of the same column of the error 5 correction code are arranged at regular intervals of E in the recording data string. A data segment length L is obtained by adding an additional synchronous frame to the recording data string. Wherein, a physical 10 segment length A satisfies the equation $L = mA$, m is a natural number. And A is set indivisible by E.